INFORMATION DISCLOSURE STATEMENT PTO-1449 Atty. Docket No. 050126

Serial No. New Application.

Applicant(s): OKAZAKI, Tsuneko, et al.

Filing Date: March 3, 2005

Group Art Unit: Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
		,				

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation (Yes or No)

ккн	AA	Ando, S., et al. "CENP-A, -B, and -C Chromatin Complex That Contains the I-Type α-Satellite Array Constitutes the Prekinetochore in HeLa Cells;" <i>Molecular and Cellular Biology</i> , Vol.22, No.7, pp.2229-2241. (April 2002); Cited in the Specification.				
	AB	Bannister, A. J., et al. "Selective recognition of methylated lysine 9 on histone H3 by the HP1 chromo domain;" <i>Nature</i> , Vol.410, pp.120-124. (March 2001); Cited in the Specification.				
	AC	Ebersole, T.A., et al. "Mammalian artificial chromosome formation from circular alphoicinput DNA does not require telomere repeats;" <i>Human Molecular Genetics</i> , Vol.9, No.11, pp.1623-1631.(2000); Cited in the Specification.				
	AD.	Festenstein, R., et al. "Locus Control Region Function and Heterochromatin-Induced Position Effect Variegation;" Science, Vol.271, pp.1123-1125. (February 1996); Cited in the Specification.				
<u> </u>	AE	Fisher, K. J., et al. "Recombinant adeno-associated virus for muscle directed gene therapy;" <i>Nature Medicine</i> , Vol.3, No.3, pp.306-312. (1997); Cited in the Specification.				
Examiner	Kevi	in K. Hill Date Considered January 4, 2008				

INFORMATION	Atty. Docket No. 050126 Serial No. New Application.				
DISCLOSURE STATEMENT	Applicant(s): OKAZAKI, Tsuneko, et al.				
PTO-1449	Filing Date: March 3, 2005	Group Art Unit: Not Yet Assigned			

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation (Yes or No)
		•		

ккн	ВА	Fournier, R. E. K, et al. "Microcell-mediated transfer of murine chromosomes into mouse, Chinese hamster, and human somatic cells;" <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 74, pp.319-323. (1977); Cited in the Specification.			
	ВВ	Grimes, B. R., et al. "Stable gene expression from a mammalian artificial chromosome;" <i>EMBO Reports</i> , Vol.2, No.10. pp.910-914. (2001); Cited in the Specification.			
	ВС	Hasegawa, K. et al., "Insulators prevent transcriptional interference between two promoters in a double gene construct for transgenesis;" <i>FEBS Letters</i> , Vol. 520, pp.47-52. (June 2002)			
	BD	Henning, K. A., et al. 'Human artificial chromosomes generated by modification of a yeast artificial chromosome containing both human alpha satellite and single-copy DNA sequences;' <i>Proc. Nad. Acad. Sci. USA</i> , Vol.96, pp.592-597. (January 1999); Cited in the Specification.			
<u> </u>	ВЕ	Howman, E. V., et al. "Early disruption of centromeric chromatin organization in centromere protein A (Cenpa) null mice;" <i>PNAS</i> , Vol.97, No.3, pp.1148-1153. (2000); Cited in the Specification.			
Examiner	Examiner Kevin K. Hill Date Considered January 4, 2008				

INFORMATION	Atty. Docket No. 050126 Serial No. New Application.			
DISCLOSURE STATEMENT	Applicant(s): OKAZAKI, Tsuneko, et al.			
PTO-1449	Filing Date: March 3, 2005	Group Art Unit: Not Yet Assigned		

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation (Yes or No)

ккн	Hubbard, T., et al. "The Ensembl genome database project;" Nucleic Acids Res Vol.30, No.1, pp.38-41. (2002); Cited in the Specification.				
	СВ	Ichinose, H., et al. "Hereditary progressive dystonia with marked diurnal fluctuation caused by mutations in the GTP cyclohydrolase I gene;" <i>Nature Genetics</i> , Vol.8, pp.236-242. (November 1994); Cited in the Specification.			
	СС	Ichinose, H., et al. "Characterization of Mouse and Human GTP Cyclohydrolase I Genes;" <i>Journal of Biological Chemistry</i> , Vol.270, No.17, pp.10062-10071. (April 1995); Cited in the Specification.			
	CD	Ichinose, H., et al. "Molecular Genetics of Dopa-Responsive Dystonia.;" <i>Biol. Chem.</i> Vol.380, pp.1355-1364. (December 1999); Cited in the Specification.			
	·CE	Ikeno, M., et al. "Distribution of CENP-B boxes reflected in CREST centromere antigenic sites on long-range α-satellite DNA arrays of human chromosome 21;" Human Molecular Genetics, Vol.3, No.8, pp.1245-1257. (1994); Cited in the Specification.			
Examiner	Kev	in K. Hill Date Considered January 4, 2008			

INFORMATION DISCLOSURE STATEMENT PTO-1449 Atty. Docket No. 050126

Serial No. New Application.

Applicant(s): OKAZAKI, Tsuneko, et al. ·

Filing Date: March 3, 2005

Group Art Unit: Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)

FOREICN PATENT DOCUMENTS

Examiner Initial	Document No.	Date Country	Translation (Yes or No)
	• •		

ккн	DA	Ikeno, M., et al. "Construction of YAC-based mammalian artificial chromosomes;" Nature Biotechnology, Vol.16, pp431-439.(May 1998); Cited in the Specification.
	DB	Araki, K., et al. "Targeted integration of DNA using mutant <i>lox</i> sites in embryonic stem cells;" <i>Nucleic Acids Research</i> , Vol.25, No.4, pp.868-872. (1997); Cited in the Specification.
	DC	Lachner, M., et al. "Methylation of histone H3 lysine 9 creates a binding site for HP1 proteins;" <i>Nature</i> , Vol. 410, pp.116-120.(March, 2001); Cited in the Specification.
	DD	Mejia, J. E., et al. "Functional Complementation of a Genetic Deficiency with Human Artificial Chromosomes;" Am. J. Hum. Genet. Vol.69, pp.315-326. (March 2001); Cited in the Specification.
	DE	Milot, E, et al. "Heterochromatin Effects on the Frequency and Duration of LCR-Mediated Gene Transcription;" <i>Cell</i> , Vol.87, pp.105-114. (October 1996); Cited in the Specification.
Examiner	Kev	in K. Hill Date Considered January 4, 2008

0.323625

INFORMATION DISCLOSURE STATEMENT PTO-1449 Atty. Docket No. 050126

Serial No. New Application.

Applicant(s): OKAZAKI, Tsuneko, et al.

Filing Date: March 3, 2005

Group Art Unit: Not Yet Assigned

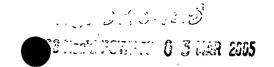
U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation (Yes or No)
	-,			

ккн	EA	Mineta, T, et al. "Attenuated multi-mutated herpes simplex virus-1 for the treatment of malignant gliomas;" <i>Nature Medicine</i> , Vol.1, No. 9, pp.938-943. (September 1995); Cited in the Specification.				
	ЕВ	Ota, A., et al. "Tetrahydrobiopterin Biosynthesis Enhanced by Lipopolysaccharide Stimulation in Murine Neuroblastoma Cell Line N1E-115;" <i>Journal of Neurochemistry</i> , Vol. 67, No.6, pp.2540-2548. (1996); Cited in the Specification.				
	EC	Palmer, D.K., et al. "Purification of the centromere-specific protein CENP-A and demonstration that it is a distinctive histone;" <i>Proc. Natl. Acad. Sci.</i> U S A, Vol.88, pp.3734-3738. (1991); Cited in the Specification.				
	ED	Platero, J. S., et al. "Functional analysis of the chromo domain of HP1;" <i>The EMBO Journal</i> , Vol.14, No.16, pp.3977-3986. (1995); Cited in the Specification.				
Examiner	Kevi	in K. Hill Date Considered January 4, 2008				



INFORMATION	Atty. Docket No. 050126 Serial No. New Application.		
DISCLOSURE STATEMENT PTO-1449	Applicant(s): OKAZAKI, Tsuneko, et al.		
	Filing Date: March 3, 2005	Group Art Unit: Not Yet Assigned	

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
	•					-4

FOREICN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation (Yes or No)

ккн	FA	Rivella, S. et al., "The cHS4 Insulator Increases the Probability of Retroviral Expression at Random Chromosomal Integration Sites;" <i>Journal of Virology</i> , Vol.74, No.10, pp.4679-4687. (May 2000)
	FB	Shen, M. H., et al. "Human mini-chromosomes in mouse embryonal stem cells;" Human Molecular Genetics, Vol.6, No.8, pp.1375-1382. (1997); Cited in the Specification.
	FC	Horiie, S., et al. "Bisho Kakusaibo Yugoho o Riyo Shita Senshokutai Kogaku;" Saibo, Vol.33, No.3, pp.114-117. (2001)
	·FD	Tanaka, K., et al. "Tetrahydrobiopterin, the cofactor for aromatic amino acid hydroxylases, is synthesized by and regulates proliferation of erythroid cells;" <i>Proc. Natl. Acad. Sci. USA</i> , Vol.86, pp.5864-5867. (August 1989); Cited in the Specification.
<u> </u>	FE	Okazaki, T., "Honyurui Jinko Senshokutai no Kaihatsu to Kotai no Keishitsu Tenkan eno Riyo;" Senryakuteki Kiso Kenkyu Suishin Jigyo Kenkyu Nenpo, Vol. 2000, pp.61-64. (March 2002)
Examiner		Kevin K. Hill Date Considered January 4, 2008

INFORMATION DISCLOSURE STATEMENT PTO-1449 Atty. Docket No. 050126

Serial No. New Application.

Applicant(s): OKAZAKI, Tsuneko, et al.

Filing Date: March 3, 2005

Group Art Unit: Not Yet Assigned

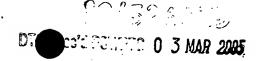
U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)

FOREICN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation (Yes or No)

ккн	GA	Okazaki, T. "Honyurui Jinko Senshokutai no Kochiku to Sono Riyo;" Seimei Katsudo no Program, Heisei 9 Nendo Saitaku Kenkyu Kadai Shuryo Symposium Koen Yokoshu, pp.14-18. (November 2002)
	GB	Wade-Martins, R. et al. "Stable correction of a genetic deficiency in human cells by an episome carrying a 115 kb genomic transgene;" <i>Nature Biotechnology</i> , Vol.18, pp.1311-1314. (December 2000); Cited in the Specification.
	GC	Werner, E. R., et al. "Tetrahydrobiopterin Biosynthetic Activities in Human Macrophages, Fibroblasts, THP-1, and T 24 Cells;" <i>Journal of Biological Chemistry</i> , Vol.265, No. 6, pp.3189-3192 (February 1990); Cited in the Specification.
<u> </u>	GD	Werner, E. R., et al. "Tetrahydropterin and Cytokines;" Society for Experimental Biology and Medicine, Vol.203, pp.1-12. (1993); Cited in the Specification.
Examiner	Kev	vin K. Hill Date Considered January 4, 2008

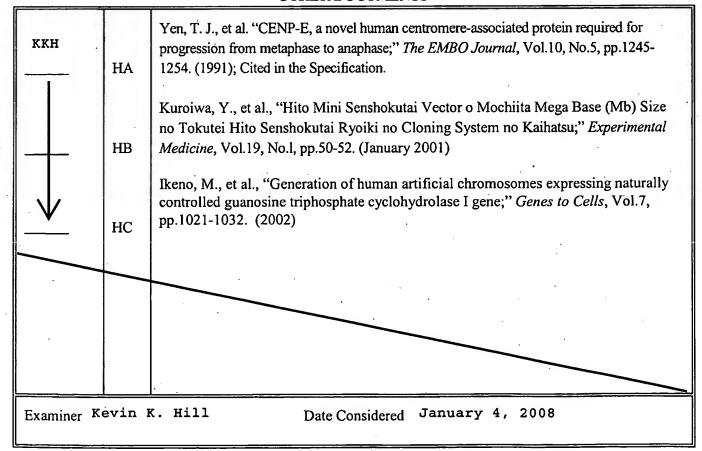


INFORMATION DISCLOSURE STATEMENT PTO-1449	Atty. Docket No. 050126 Serial No. New Application.		
	Applicant(s): OKAZAKI, Tsuneko, et al.		
	Filing Date: March 3, 2005	Group Art Unit: Not Yet Assigned	

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation (Yes or No)
·	·			·	



JAN 0 9 2006 , V: Atty. Docket No. 050126 Serial No. 10/526,425

INFORMATION DISCLOSURE CITATION PTO-1449

Applicant(s): OKAZAKI, Tsuneko, et al.

Group Art Unit: Not Yet Assigned Filing Date: March 3, 2005

TIC	DA	TENT	DOC	TAMES	TTC

			U.S. PATENT I	OCUMENTS				
Examiner Initial		Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)	
ккн	AA	2002/076811 A1	Okazaki et al.	06/20/02	435	366	12/22/00	
	AB	6,133,503	Scheffler	10/17/00	800	21	02/17/98	
		F(OREIGN PATEN	T DOCUMEN	NTS			
		Document No.	· · · · · · · · · · · · · · · · · · ·		Country		Translation (Yes or No)	
	AC AD	WO 02/067665 A2	0	9/06/02	РСТ			
			OTHER DO	CUMENTS				
	AE	J. Mejía et al.; "The 22; pp.165-170; Dece		BACs by in Vi	vo Recom	bination;" G	Genomics; Vol. 70; No	
	AF		D. Moralli et al.; "Insertion of a loxP site in a size-reduced human accessory chromosome; Cytogenetics and Cell Genetics; Vol. 94; No. 3-4; pp.113-120; 2001.					
	AG		T. Kaname et al.; "Simple and efficient vectors for retrofitting BACs and PACs with mammaliar neo ^R and EGFP marker genes;" GENE; Vol. 266; No. 1-2; pp. 147-153; March 21, 2001.					
	AH		T. Voet et al.; "Efficient Male and Female Germline Transmission of a Human Chromosoma Vector in Mice;" Genome Research; Vol. 11; No. 1; pp. 124-136; January 2001.					
	AI		Z. Larin et al.; "Advances in human artificial chromosome technology;" TRENDS in Genetics; Vol. 18; No. 6; pp. 313-319; June 1, 2002.					
	ĄJ		K. Peterson et al.; "Production of transgenic mice with yeast artificial chromosomes;" TRENDS in Genetics; Vol. 13; No. 2; pp. 61-66; February 1997.					
<u> </u>	AK	S. Rival et al.; "Clor protein gene and its 2001.						
	AL	M. Ikeno et al.; "Ge guanosine triphospha October 2, 2002.	M. Ikeno et al.; "Generation of human artificial chromosomes expressing naturally controlled guanosine triphosphate cyclohydrolase I gene;" <i>Genes to Cells</i> ; Vol. 7; Nol. 10; pp. 1021-1032; October 2, 2002.					
+	AM	H. Lipps et al.; "Chr. 2003.	omosome-based v	ectors for gene	therapy;"	Vol. 304, p	op. 23-33; January 30	
 	AN	A copy of Suppleme	ntary Partial Euro	pean Search Re	port dated	l December	12, 2005.	
<u> </u>	AO	A copy of Internation	nal Preliminary Ex	amination Rep	ort dated	April 15, 20	04.	

Examiner Kevin K. Hill Date Considered

January 4, 2008



Complete if Known Substitute for form 1449/PTO Application Number 10/526,425-Conf. #9673 INFORMATION DISCLOSURE Filing Date March 3, 2005 STATEMENT BY APPLICANT Tsuneko Okazaki First Named Inventor 1645 Art Unit (Use as many sheets as necessary) Examiner Name Not Yet Assigned 80161(302730) Sheet 1 of 1 Attomey Docket Number

			U.S. PATE	NT DOCUMENTS	
Examiner initials*	Cite No.¹	Pocument Number Number-Kind Code (Interes)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

		FOREIG	ON PATENT I	DOCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY		Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	

"EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Nich document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
ккн	CA	Australian Office Action dated May 31, 2007 on a corresponding Australian patent application No. 2003261863.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

